

That which is claimed:

1. A system comprising:
a touch-sensitive input device configured to move in a rotary degree of freedom;
and
an actuator configured to produce a rotational force on the touch-sensitive input device.
2. The system of claim 1, wherein the touch-sensitive input device comprises a touchpad.
3. The system of claim 2, wherein the touchpad comprises a generally circular touchpad.
4. The system of claim 1, further comprising means for limiting the rotary degree of freedom.
5. The system of claim 1, wherein the touch-sensitive input device further comprises a magnet, and wherein the actuator comprises a magnetic core.
6. The system of claim 5, wherein the magnetic core comprises an E-core.
7. The system of claim 1, wherein the actuator comprises:
a motor; and

a drive belt driven by said motor and configured to produce the rotational force on the touch-sensitive input device.

8. The system of claim 6, wherein the motor further comprises a pair of end stops to limit the rotation of the motor.

9. The system of claim 1, wherein the actuator comprises:
a motor; and
an eccentric rotating mass configured to impart a vibration on the touch-sensitive input device.

10. The system of claim 1, wherein the actuator comprises:
a motor; and
a flexure driven by said motor and configured to produce the rotational force on the touch-sensitive input device.

11. The system of claim 10, wherein the flexure comprises brass.

12. The system of claim 1, further comprising a housing, wherein the actuator is grounded to the housing.

13. The system of claim 1, further comprising a processor configured to receive an output signal from the touch-sensitive input device and generate an input signal operable to cause the actuator to produce the rotational force.

14. A method comprising:

receiving an input signal; and

generating an output signal configured to cause a rotational force on a touch-sensitive input device in response to the input signal.

15. The method of claim 14, wherein generating the rotational force comprises generating a rotational force within a limited range of motion.

16. The method of claim 14, wherein the rotational force is configured to impart a pop sensation on the touch-sensitive input device.

17. A computer-readable medium on which is encoded processor-executable program code, the computer-readable medium comprising:

program code for receiving an input signal; and

program code for generating an output signal configured to cause a rotational force on a touch-sensitive input device in response to the input signal.

18. The computer-readable medium of claim 17, wherein the program code for generating the rotational force comprises program code for generating a rotational force within a limited range of motion.

19. The computer-readable medium of claim 17, wherein the rotational force is configured to impart a pop sensation on the touch-sensitive input device.